

WATER

ACTIVITIES

***Water Treatment Services**

***Water Distribution Services**

***Water Customer Service**

***Water System Debt Service**

*** Water – General Program**

***Water – Independent Water Systems**

***Water – Capital Construction**

DESCRIPTION

This program includes the operation, planning, engineering, production, and delivery of water to each customer connection. Water services are made available for industrial, commercial, domestic, and fire protection uses.

				MANAGER	COMMITTEE	COUNCIL
	ACTUAL	ACTUAL	BUDGET	RECOMMEND	APPROVED	ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Program Generated Resources	4,295,494	4,468,742	5,064,232	4,656,512	4,656,512	4,656,512
Capital Construction	2,333,346	2,257,806	2,921,101	2,721,048	2,721,048	2,721,048
Total Resources	<u>6,628,840</u>	<u>6,726,548</u>	<u>7,985,333</u>	<u>7,377,560</u>	<u>7,377,560</u>	<u>7,377,560</u>
Requirements						
Water Treatment	752,076	829,434	1,037,039	1,009,216	1,009,216	1,009,216
Water Distribution	633,652	694,217	838,260	883,457	883,457	883,457
Customer Services	268,709	297,174	280,079	308,757	308,757	308,757
Debt Services	411,336	410,956	415,875	419,115	419,115	419,115
General Program Operations	1,792,396	1,796,446	1,992,058	1,627,967	1,627,967	1,627,967
Water Debt Reserve Fund	408,000	408,000	408,000	408,000	408,000	408,000
Independent Water Systems	29,325	32,515	92,921	0	0	0
Capital Construction	2,333,346	2,257,806	2,921,101	2,721,048	2,721,048	2,721,048
Total Requirements	<u>6,628,840</u>	<u>6,726,548</u>	<u>7,985,333</u>	<u>7,377,560</u>	<u>7,377,560</u>	<u>7,377,560</u>

Program: Utilities/Water Program

Mission:

The mission of the Water Program is to meet the expanding service area's current and future drinking water and fire flow needs.

Services Delivered:

The municipal water system withdraws raw water from the Rogue River, removes suspended particulates, removes and inactivates pathogens, and produces, pumps and stores a non-corrosive, palatable water according to Federal and State drinking water regulations. The water system includes the water filtration plant, reservoirs, booster pumping stations, distribution piping, and support service systems. The utility is an enterprise fund, with all costs of the system borne by ratepayers.

Major repairs and improvements to the water system are financed through capital expenditures. Minor repairs and ongoing operational needs are financed through the operating budgets. The budget is structured in eight (8) major activities:

Water Treatment	Water Distribution
Customer Service	Debt Service
General Program Operations	Debt Service Reserve
Capital Improvements	Independent Water Systems

This Program provides services to approximately 9,600 system accounts.

FY'06 Anticipated Accomplishments:

A major activity for the Water Treatment Plant will be completion of upgrades for the filter systems. This is being done to improve plant operating efficiency.

Design work will be completed, permits obtained and construction initiated for upgrade and expansion of the raw water intake structure to meet Endangered Species Act requirements. Several water mains will be designed and installed: to replace a segment of 10-inch cast iron main in 5th Street, to replace several segments of small diameter cast iron mains, and to provide looping needed to improve system performance. Connection to several community well systems will be completed. Work on upgrade of the Starlite pump station will continue.

New system development charges will be submitted for City Council adoption in early FY'06 with revised water user rates available for Council consideration by January 2006.

Program: Utilities/Water Program

Program Financial Summary

Resources	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Beginning Balance	<u>482,734</u>	<u>417,180</u>	<u>556,001</u>	<u>179,212</u>	<u>179,212</u>	<u>179,212</u>
Current Resources						
Activity Generated						
Property Taxes	867	380	0	0	0	0
System Development Charges	1,500	3,500	0	0	0	0
Sale of Water	3,276,853	3,519,012	3,776,850	3,886,700	3,886,700	3,886,700
Direct Charges to:						
Solid Waste Operations	11,498	15,567	15,000	15,000	15,000	15,000
Interest	7,834	9,879	13,500	13,000	13,000	13,000
Other Revenue	76,883	62,709	137,960	154,600	154,600	154,600
Transfers In	0	0	64,000	0	0	0
Debt Service Reserve Fund	408,000	408,000	408,000	408,000	408,000	408,000
Star View Water System	29,325	32,515	92,921	0	0	0
Capital Construction	<u>2,333,346</u>	<u>2,257,806</u>	<u>2,921,101</u>	<u>2,721,048</u>	<u>2,721,048</u>	<u>2,721,048</u>
Total Current Resources	<u>6,146,106</u>	<u>6,309,368</u>	<u>7,429,332</u>	<u>7,198,348</u>	<u>7,198,348</u>	<u>7,198,348</u>
Total Resources	<u>6,628,840</u>	<u>6,726,548</u>	<u>7,985,333</u>	<u>7,377,560</u>	<u>7,377,560</u>	<u>7,377,560</u>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Water Treatment	752,076	829,434	1,037,039	1,009,216	1,009,216	1,009,216
Water Distribution	633,652	694,217	838,260	883,457	883,457	883,457
Customer Services	268,709	297,174	280,079	308,757	308,757	308,757
General Program Operations	8,369	400	23,350	23,350	23,350	23,350
Contingency	0	0	85,000	100,000	100,000	100,000
Star View Water System	29,325	32,515	92,921	0	0	0
Indirect Charges	164,347	177,462	204,496	208,591	208,591	208,591
Capital Construction	2,333,346	2,257,806	2,921,101	2,721,048	2,721,048	2,721,048
Debt Service	411,336	410,956	415,875	419,115	419,115	419,115
Transfers Out	1,202,500	1,062,583	1,500,000	1,255,000	1,255,000	1,255,000
Ending Balance	417,180	556,001	179,212	41,026	41,026	41,026
Water Debt Reserve Fund	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Expenses	<u>6,628,840</u>	<u>6,726,548</u>	<u>7,985,333</u>	<u>7,377,560</u>	<u>7,377,560</u>	<u>7,377,560</u>

Program: Utilities/Water – Water Treatment Services

Services Delivered:

This activity is responsible for the operations and maintenance of the City's Water Filtration Plant and thirteen remote pumping stations including their radio telemetry systems. Water is pumped from the Rogue River and treated at the Water Filtration Plant. After treatment, water is pumped through the distribution system into a network of reservoirs located at various elevations throughout our community. This activity also supplies water to the North Valley Industrial Park through a pump station and reservoir dedicated for that purpose. All water produced in this activity meets or exceeds all State and Federal standards for drinking water quality.

FY'06 Anticipated Accomplishments:

One influent water pump will be rebuilt. Staff will update and distribute the Consumer Confidence Report. The Backwash System flow meter will be replaced with a meter that will tolerate wider variations in flow. The outdoor lighting system will be upgraded to allow for extended operating hours. Staff will be trained in additional laboratory testing procedures to improve the efficiency and productivity of the treatment process.

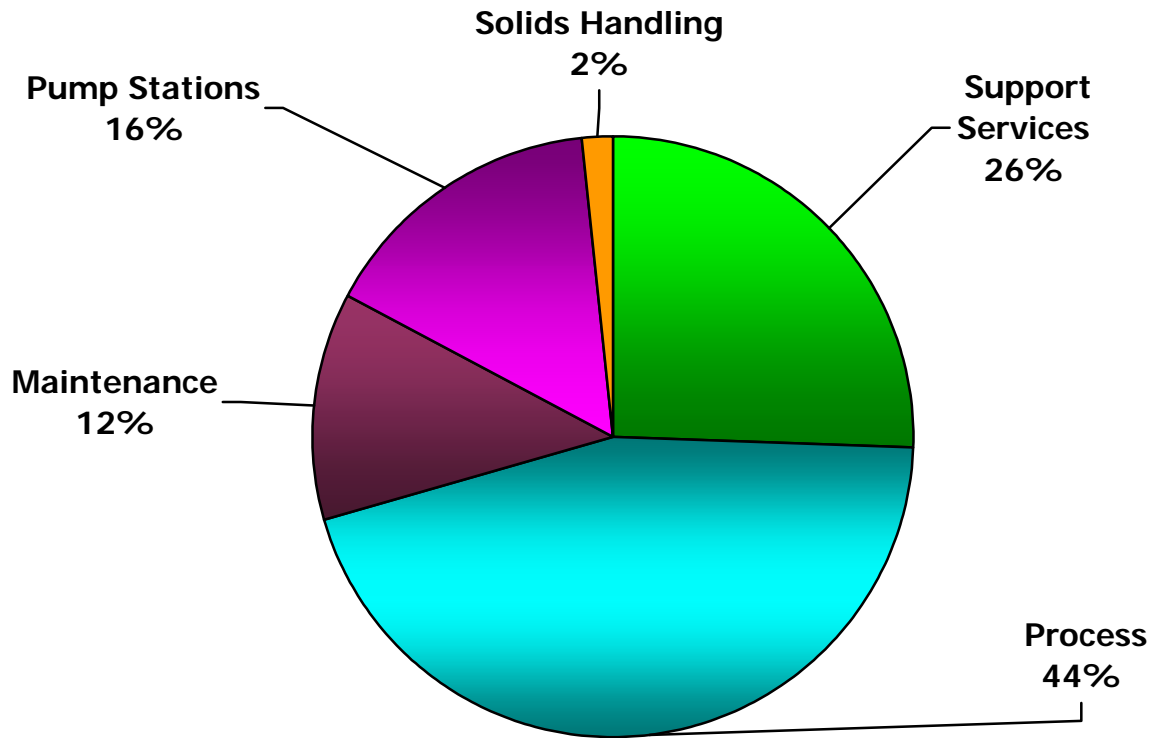
FY'06 Performance Measurements:

- Treated water will meet ALL State and Federal Standards 100% of the time. **Goal #IV**
- The O & M cost of treated water will be around \$0.47 per 1000 gallons produced. **Goal #VI**
-
- Water Booster Station outages will be repaired and placed back into service in less than three hours. **Goal #III**

Budget Highlights:

This activity will continue to supplement personal services through outside contracting for specialty projects or when dictated by necessity. Staff will assist in the installation of two new effluent pumps provided by the Oregon Energy Trust in an effort to increase Plant electrical efficiencies. Staff will continue to look for ways to streamline plant processes and reduce the overall cost to produce its final product.

Water Treatment Programs



FY'05 Activity Review:

During the fiscal year 2004, 1.78 billion gallons of water was pumped into the distribution system by this activity; it is projected that in excess of 1.84 billion will be pumped in FY'05. Plant staff assisted in the completion of the very successful Filter Upgrade Project, increasing plant efficiencies and improving filtered water quality. Plant staff implemented new laboratory procedures designed to aid in tracking disinfection by-products as well as improving treatment throughout the entire treatment train.

FY'05 Performance Indicators:

- Treated water will meet ALL State and Federal Standards 100% of the time. **Target met.**
- The operating & maintenance (O & M) cost of treated water will be less than \$0.47 per 1000 gallons produced. **Target not met.** *The cost was 6 cents over our targeted amount.*
- Water Booster Station outages will be repaired and placed back into service in less than three hours. **Target met.**

Program: Utilities/Water – Water Treatment Services

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Personal Services	289,605	320,619	408,521	398,188	398,188	398,188
Materials & Supplies	113,724	163,904	150,100	148,350	148,350	148,350
Contractual/Prof Services	302,028	303,192	427,409	420,107	420,107	420,107
Direct Charges	9,331	10,220	14,009	14,371	14,371	14,371
Capital Outlay	23,488	17,599	22,000	13,200	13,200	13,200
Transfers Out	<u>13,900</u>	<u>13,900</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>
Total Expenses	<u>752,076</u>	<u>829,434</u>	<u>1,037,039</u>	<u>1,009,216</u>	<u>1,009,216</u>	<u>1,009,216</u>

Program: Utilities/Water – Water Treatment Services

Personnel

	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	#	#	#	#	#	#
Utility Director	1.00	1.00	1.00	1.00	1.00	1.00
Utility Plant Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Treatment Plant Specialist	4.00	4.00	4.00	4.00	4.00	4.00
Office Assistant I	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Subtotal	7.00	7.00	7.00	7.00	7.00	7.00
Utility Director						
TO: Water Distribution	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
TO: Wastewater Collection	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
TO: Wastewater Treatment	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
Trtmt Plant Spec - Operations						
TO: Wastewater Treatment	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)
Trtmt Plant Spec – Maint.						
FROM: Wastewater Trmt	0.40	0.40	0.40	0.40	0.40	0.40
Office Assistant I						
TO: Water Distribution	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
TO: Wastewater Collection	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
TO: Wastewater Treatment	<u>(0.25)</u>	<u>(0.25)</u>	<u>(0.25)</u>	<u>(0.25)</u>	<u>(0.25)</u>	<u>(0.25)</u>
Subtotal	(1.60)	(1.60)	(1.60)	(1.60)	(1.60)	(1.60)
Total Full Time Positions	<u>5.40</u>	<u>5.40</u>	<u>5.40</u>	<u>5.40</u>	<u>5.40</u>	<u>5.40</u>
Part Time/Seasonal Hours	<u>1,500</u>	<u>1,000</u>	<u>1,000</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>

Capital Outlay/By Item:

Computers	4,250	1,500	1,500	1,500
Spectrophotometer	6,000	0	0	0
Equipment Replace/Upgrade	<u>11,750</u>	<u>11,700</u>	<u>11,700</u>	<u>11,700</u>
Total Capital Outlay	<u>22,000</u>	<u>13,200</u>	<u>13,200</u>	<u>13,200</u>

Program: Utilities/Water – Water Distribution Services

Services Delivered:

Water Distribution is responsible for ensuring a consistently dependable supply of quality water for both domestic consumption and fire service protection. The services delivered in this activity are administered through performance of distinct programs consisting of customer service, water quality, service installation and maintenance, system maintenance, main and hydrant installation and general operations.

The duties encompassed in these programs include water sampling, water system flushing, meter replacement, water service installation and repair, fire hydrant repair and inspection, backflow prevention inspection, water main repair, and customer concerns and requests. In addition, this activity provides support to both contractors involved in new construction and other City departments during their normal course of business.

FY'06 Anticipated Accomplishments:

Excellence in customer service and water quality shall remain the highest priorities in this activity. Particular attention shall continue to the annexation of two additional private water systems in the Redwood Area each year. The fire hydrant maintenance shall continue. The residential meter replacement program shall continue during the period. The relocation and adjustment of water services, fire hydrants, and valve boxes during various public road and sidewalk improvement projects shall also continue as needed.

FY'06 activities shall include the water system flushing in the low and intermediate segments of the distribution system. A utility administered contract for the testing and minor repair of single-family residential backflow devices will be implemented in FY'06. Substandard galvanized and low flow copper water services shall be replaced when encountered. The replacement of residential water meters will continue in FY'06.

FY'06 Performance Measurements:

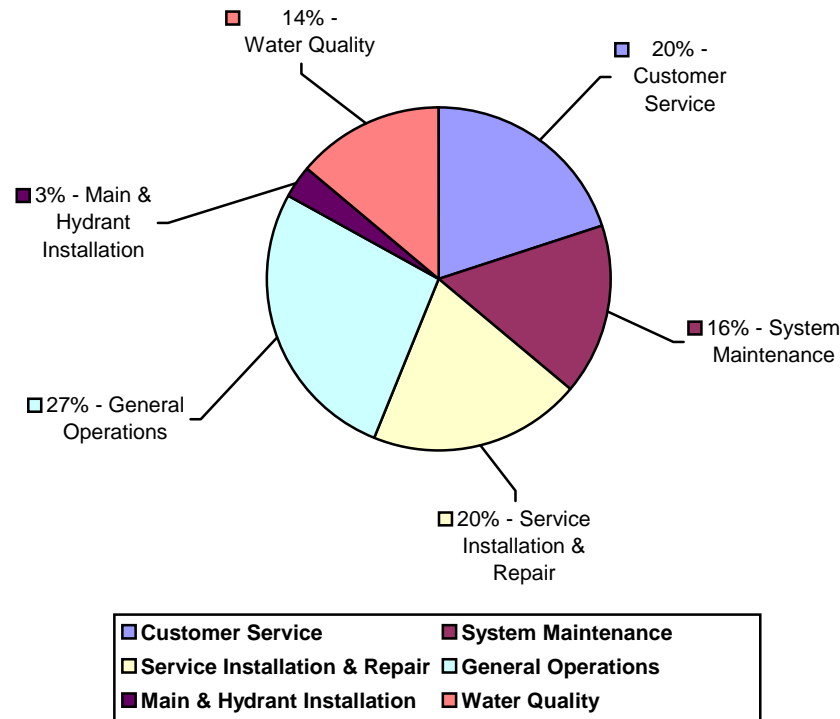
- Percentage of unaccounted water less than or equal to 8%. **Goal #IV**
- 650 feet of pipeline flushed per labor hour. **Goal #IV**
- Average time for water service outage during emergency repairs – 1 hour. **Goal #III**

Budget Highlights:

Funding continues for a utility administered contract for single-family residential backflow testing and minor repair. Financial aid for backflow device and pressure regulator installations for homeowners within newly acquired systems shall continue. Funds for the replacement of residential water meters continues in the Customer Service Program. The FY'06 capital budget contains funding for an “extend a hoe” attachment for the existing backhoe in the Service Installation Program. Funds for the purchase of a second jack hammer are also included in the System Maintenance Program. The budget also includes funds for the replacement of two existing trucks.

Program: Utilities/Water – Water Distribution Services

Program Allocations



FY'05 Activity Review:

The Aranaway Water System was successfully connected to the main public water system. The last City owned well system, serving 6 homes on Landau, was abandoned and connected to a new public pump station. Low-level water system flushing was completed during the period. New water services as of March 1, 2005 total 301 for fiscal year to date, with 77 being installed by City crews. Water service replacements for the same period total 19. An additional 19 water services were added to the main system with the connection of Aranaway.

FY'05 Performance Indicators:

- The percentage of unaccounted water will be less than or equal to 8%.
(Percentage of unaccounted water was 6 %.) **Target met.**
- The number of feet of pipeline flushed per labor hour will be 550.
(804.6 feet of pipeline flushed per labor hour.) **Target met.**
- The average time for water service outage during emergency repairs will be 1 hour. **Target met.**

Program: Utilities/Water – Water Distribution Services

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Personal Services	386,505	452,011	479,266	510,741	510,741	510,741
Materials & Supplies	74,004	52,905	90,950	90,450	90,450	90,450
Contractual/Prof Services	91,948	96,995	164,415	163,875	163,875	163,875
Direct Charges	29,011	30,308	34,729	35,091	35,091	35,091
Capital Outlay	47,984	61,998	60,500	61,800	61,800	61,800
Transfers Out	<u>4,200</u>	<u>0</u>	<u>8,400</u>	<u>21,500</u>	<u>21,500</u>	<u>21,500</u>
Total Expenses	<u>633,652</u>	<u>694,217</u>	<u>838,260</u>	<u>883,457</u>	<u>883,457</u>	<u>883,457</u>

Program: Utilities/Water – Water Distribution Services

Personnel

			BUDGET FY'05 #	MANAGER COMMITTEE		COUNCIL ADOPTED FY'06 #
	ACTUAL	ACTUAL		RECOMMEND	APPROVED	
	FY'03	FY'04		FY'06	FY'06	
	#	#		#	#	
Utility Field Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Municipal Specialist	0.00	0.00	1.00	1.00	1.00	1.00
Municipal Service Worker	<u>7.00</u>	<u>7.00</u>	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>
Subtotal	8.00	8.00	8.00	8.00	8.00	8.00
Utility Director						
FROM: Water Treatment	0.25	0.25	0.25	0.25	0.25	0.25
Utility Field Supervisor						
TO: Wastewater Collection	(0.50)	(0.50)	(0.50)	(.50)	(.50)	(.50)
Office Assistant I						
FROM: Water Treatment	<u>0.25</u>	<u>0.25</u>	<u>0.25</u>	<u>0.25</u>	<u>0.25</u>	<u>0.25</u>
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00
Total Full Time Positions	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>
Part Time/Seasonal Hours	<u>1,000</u>	<u>1,000</u>	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>

Capital Outlay/By Item:

Reservoir #7 Land Payment	1,000	1,000	1,000	1,000
New Water Services	50,000	50,000	50,000	50,000
Mueller Tapping Machine	6,000	7,600	7,600	7,600
Equipment/Upgrade	2,000	1,700	1,700	1,700
Computers	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>
Total Capital Outlay	<u>60,500</u>	<u>61,800</u>	<u>61,800</u>	<u>61,800</u>

Program: Utilities/Water – Customer Services

Services Delivered:

This activity includes billing services provided by the Administrative Services Department and Engineering Services from the Community Development Department.

FY'06 Anticipated Accomplishments:

The Customer Services activity will bill about 9,600 customers monthly in FY'06 and maintain timely records on all accounts. Information regarding water line locations, new service requests, local improvement district financing and other data regarding the overall system will be provided to customers through this activity.

FY'06 Performance Measurements:

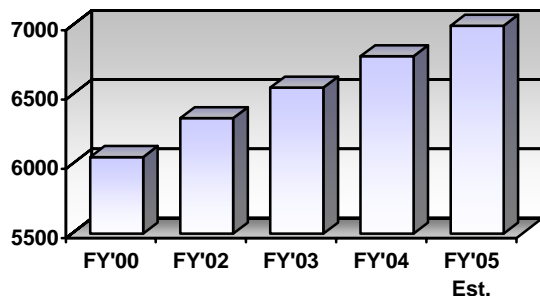
- A Water Quality Report will be issued to all water consumers. **Goal #IV**
- Billings for newly established water service connections will begin within 30 days of service 90% of the time. **Goal #VI**
- The feasibility of implementing an on-line utility option for payment of utility services will be conducted. **Goal #VI**
-

Budget Highlights:

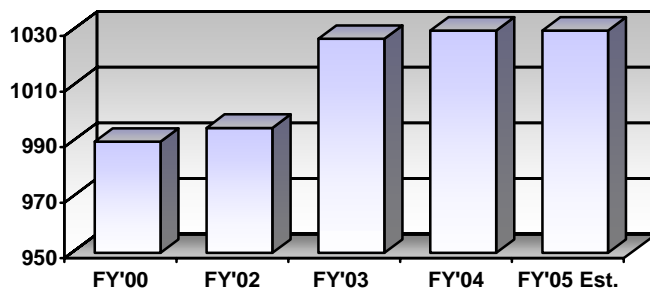
Monies have been appropriated for preparation and delivery of an annual Water Quality report to all consumers, a requirement mandated by EPA.

Program: Utilities/Water – Customer Services

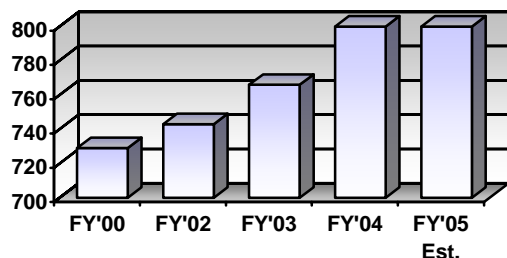
Number of RESIDENTIAL Customers



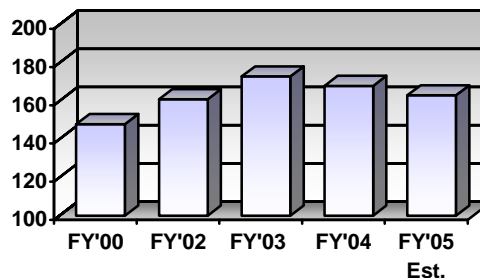
Number of COMMERCIAL Customers



Number of MULTIFAMILY Customers



Number of PUBLIC AGENCY Customers



FY'05 Performance Indicators:

- A Water Quality Report will be issued to all water consumers. **Target met.**
- Billings for newly established water service connections will begin within 30 days of service 90% of the time. **Target met.**
- The feasibility of implementing an on-line utility option for payment of utility services will be conducted. **Target met.**

Program: Utilities/Water – Customer Services

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Contractual/Prof Services	53,249	52,475	31,215	32,800	32,800	32,800
Direct Charges	<u>215,460</u>	<u>244,699</u>	<u>248,864</u>	<u>275,957</u>	<u>275,957</u>	<u>275,957</u>
Total Expenses	<u>268,709</u>	<u>297,174</u>	<u>280,079</u>	<u>308,757</u>	<u>308,757</u>	<u>308,757</u>

Program: Utilities/Water – Customer Services

Program: Utilities/Water – Debt Service

Services Delivered:

This activity accounts for the repayment of water bonds that were sold.

Budget Highlights:

The Debt Service schedule is in Appendix 0.

The Water Bond payment schedule is:

	FY'02	FY'03	FY'04	FY'05	FY'06
August 1998 Issue					
Principal	245,000	255,000	265,000	280,000	295,000
Interest	<u>167,000</u>	<u>157,200</u>	<u>146,873</u>	<u>135,875</u>	<u>124,115</u>
	412,000	412,200	411,873	415,875	419,115
Total	<u>\$412,000</u>	<u>\$412,200</u>	<u>\$411,873</u>	<u>\$415,875</u>	<u>\$419,115</u>

The budget debt service differs from this schedule due to accruals.

Program: Utilities/Water – Debt Service

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Debt Service	<u>411,336</u>	<u>410,956</u>	<u>415,875</u>	<u>419,115</u>	<u>419,115</u>	<u>419,115</u>
Total Expenses	<u>411,336</u>	<u>410,956</u>	<u>415,875</u>	<u>419,115</u>	<u>419,115</u>	<u>419,115</u>

Program: Utilities/Water – General Program Operations

Services Delivered:

This activity accounts for expenses not associated specifically with any single water activity. It includes administrative overhead, transfers to capital projects, and a contingency.

Program: Utilities/Water – General Program Operations

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Materials & Supplies	0	0	100	100	100	100
Contractual/Prof Services	8,369	400	23,250	23,250	23,250	23,250
Contingencies	0	0	85,000	100,000	100,000	100,000
Indirect Charges	164,347	177,462	204,496	208,591	208,591	208,591
Transfers Out	1,202,500	1,062,583	1,500,000	1,255,000	1,255,000	1,255,000
Ending Balance	<u>417,180</u>	<u>556,001</u>	<u>179,212</u>	<u>41,026</u>	<u>41,026</u>	<u>41,026</u>
Total Expenses	<u>1,792,396</u>	<u>1,796,446</u>	<u>1,992,058</u>	<u>1,627,967</u>	<u>1,627,967</u>	<u>1,627,967</u>

Program: Utilities/Water – Debt Service Reserve Fund

Services Delivered:

This activity accounts for the reserve requirement mandated by the covenants of the General Revenue Bond sale completed August 1998. Ten percent of the bond sale proceeds, \$408,000, must be held in reserve for the life of the debt. Interest earnings on the reserved monies are available for general operations and will be applied to the semi-annual debt service payments.

Program: Utilities/Water – Debt Service Reserve Fund

Financial Summary

Resources	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Beginning Balance	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Resources	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Ending Balance	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Expenses	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>

Program: Utilities/Water –Starview Estates Water System

Services Delivered:

The Starview water system was an independent community groundwater system south of the Rogue River, owned and operated by the City. The revenue and expenses were borne by the users of the Starview system. The function of this water system was to provide potable water to the users within the Starview subdivision.

FY'06 Anticipated Accomplishments:

The Starview Estates Water System no longer exists as a legal entity. Residents of the Starview subdivision are now being served with municipal water.

Budget Highlights:

There was no budget adopted for FY'06. The Revised FY'05 budget is being used to close out the activity.

FY'05 Activity Review:

The wells and equipment associated with the system were removed and the property was sold on the open market.

Program: Utilities/Water –Starview Estates Water System

Financial Summary

Resources	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Beginning Balance	<u>12,156</u>	<u>26,632</u>	<u>19,932</u>	<u>0</u>	<u>0</u>	<u>0</u>
Current Resources						
Activity Generated						
Sale of Water	16,828	5,664	0	0	0	0
Interest	341	219	429	0	0	0
Other Revenue	<u>0</u>	<u>0</u>	<u>72,560</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Current Resources	<u>17,169</u>	<u>5,883</u>	<u>72,989</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Resources	<u>29,325</u>	<u>32,515</u>	<u>92,921</u>	<u>0</u>	<u>0</u>	<u>0</u>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED
	FY'03	FY'04	FY'05	FY'06	FY'06	FY'06
	\$	\$	\$	\$	\$	\$
Materials & Supplies	95	0	0	0	0	0
Contractual/Prof Services	1,449	411	26,776	0	0	0
Direct Charges	950	240	0	0	0	0
Capital Outlay	0	11,000	0	0	0	0
Indirect Charges	199	932	2,145	0	0	0
Transfers Out	0	0	64,000	0	0	0
Ending Balance	<u>26,632</u>	<u>19,932</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Expenses	<u>29,325</u>	<u>32,515</u>	<u>92,921</u>	<u>0</u>	<u>0</u>	<u>0</u>

Program: Utilities/Water – Capital Construction

Basic Functions:

This activity includes planning, engineering and all construction of major water system improvements.

Activity Highlights:

The water system includes the treatment plant, nine reservoirs, six pump stations, and 105 miles of water mains. Major repairs and improvements to the water system are financed through this capital budget. The minor repairs to the system are financed through the operating activities.

This budget sets aside funds to provide City funding for extension and oversizing of lines required by the water system in excess of individual development project needs.

Budget Highlights:

A list of projects for FY'05 and FY'06 is shown on the following page.

The History Through FY'03 column shows project costs through June 30, 2003. The FY'04 Actual column shows actual expenditures for the fiscal year July 1, 2003 through June 30, 2004. The Budget FY'05, Recommend FY'06, Approved FY'06 and Adopted FY'06 columns reflect the total amount of resources available or expected to be available to the project during the respective fiscal years.

Program: Utilities/Water – Capital Construction

FY '05 & FY '06 PROJECTS

		Through FY'03	Actual FY'04	Budget FY'05	Recommend FY'06	Approved FY'06	Adopted FY'06
WA3080	Partnership Extension	657,672	40,424	159,576	59,576	59,576	59,576
WA4201	Water Distribution Master Plan	157,662	3,154	13,813	20,000	20,000	20,000
WA4258	Fire Hydrant New Install	28,300	3,832	42,868	6,168	6,168	6,168
WA4332	Log Pond Dredging	116,805	84,241	132,858	0	0	0
WA4372	RCC Technical Park	0	20,402	53,882	53,882	53,882	53,882
WA4469	Bulk Water Stations	35,335	5,007	69,993	114,993	114,993	114,993
WA4523	Redwood Avenue Loop	228,562	42,433	34,005	0	0	0
WA4526	Starlite Pump Station Upgrade	23,336	3,542	58,122	148,122	148,122	148,122
WA4527	Water Plant Facility Plan	773	100,855	11,040	0	0	0
WA4637	Water System Vulnerability Study	286	54,907	39,807	0	0	0
WA4638	B Street/Crescent Drive Upsizing	5,433	378,213	14,637	0	0	0
WA4639	Darneille Lane Water Line	0	14,667	100,333	0	0	0
WA4693	Booster Station	0	0	15,000	15,000	15,000	15,000
WA4694	Dowell Rd Loop-	0	10,125	159,885	0	0	0
	Redwood Ave to Redwood Hwy						
WA4738	Filter Upgrades	0	0	700,000	100,000	100,000	100,000
WA4739	Foothill Zone 2 Loop - Ament Road	0	0	5,000	582,000	582,000	582,000
WA4740	Intake Structure Modifications	0	0	420,000	500,000	500,000	500,000
WA4741	Major Drive - 2" Water Line Replacement	0	3,213	36,787	0	0	0
WA4742	Meadow Wood Reservoir No. 16 - Site Purchase	0	0	0	50,000	50,000	50,000
WA4743	Williams Crossing Pump Station Installation	0	571	49,429	0	0	0
WA4761	Parkway Village Water	0	0	50,000	0	0	0
WA4794	Water Rates & SDC Studies	0	0	44,000	6,000	6,000	6,000
WA4802	Riverside Inn Waterline Relocation	0	0	33,000	33,000	0	0
WA4808	4th Street Waterline (C Street - H Street)	0	0	5,000	345,000	345,000	345,000
WA4840	Beacon Zone 3 Waterline	0	0	0	75,000	75,000	75,000
WA4841	Small Main Replacement	0	0	0	50,000	50,000	50,000
WA4842	Solids Handling Evaluation	0	0	0	40,000	40,000	40,000
FUND 752	Miscellaneous Water Projects - SDC's	0	0	90,854	854	854	854
FUND 755	Miscellaneous Water Projects - AFD's	45,000	0	24,151	4,351	4,351	4,351
FUND 758	Miscellaneous Water Projects - General	3,350,500	128,202	556,150	116,191	149,191	149,191
FUND 759	Miscellaneous Water Projects - LID's	12,581	0	911	400,911	400,911	400,911
Total Projects		<u>4,662,245</u>	<u>893,788</u>	<u>2,921,101</u>	<u>2,721,048</u>	<u>2,721,048</u>	<u>2,721,048</u>

Program: Utilities/Water – Capital Construction

Financial Summary

	THRU FY'03	Actual FY'04	Budget FY'05	Recommend FY'06	Approved FY'06	Adopted FY'06
Resources						
Beginning Fund Balance	<u>136,588</u>	<u>938,230</u>	<u>1,364,018</u>	<u>833,848</u>	<u>833,848</u>	<u>833,848</u>
Current Resources						
Investment Interest	822,200	14,845	2,200	2,200	2,200	2,200
Special Assessment	0	0	0	400,000	400,000	400,000
SDC REVENUES	279,546	368,798	330,000	330,000	330,000	330,000
Federal Grant-Econ. Dev. Admin.	0	0	46,600	0	0	0
State Grant-Old Growth Diverse	0		6,000	0	0	0
SOREDI GRANT-RCC Tech Park	0	6,684	0	0	0	0
1998 Water Bond	58,750	0	0	0	0	0
Sale of assets (Land)	50,879	0	0	0	0	0
Contributions RCC, Farmers, Other	0	100,000	111,283	0	0	0
Advance Finance Revenues	91,570	113,339	90,000	90,000	90,000	90,000
Other	(37,169)	10	0	0	0	0
Transfers From:						
Policy&Legislation General Program	0	2,000	0	0	0	0
General Program - Water	2,098,410	700,000	956,000	1,050,000	1,050,000	1,050,000
Water Capital Demand by Project	1,483,100	0	0	0	0	0
Water Treatment	27,800	13,900	15,000	15,000	15,000	15,000
Lands & Buildings Cap Projects	313,800	0	0	0	0	0
Advance Finance from 755	45,000	0	0	0	0	0
SDC Demand by Project	<u>230,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Current Resources	<u>5,463,886</u>	<u>1,319,576</u>	<u>1,557,083</u>	<u>1,887,200</u>	<u>1,887,200</u>	<u>1,887,200</u>
Total Resources	<u>5,600,474</u>	<u>2,257,806</u>	<u>2,921,101</u>	<u>2,721,048</u>	<u>2,721,048</u>	<u>2,721,048</u>
Requirements						
Expense	4,662,244	893,788	2,087,253	2,591,115	2,558,115	2,558,115
Net Ending Fund Balance	<u>938,230</u>	<u>1,364,018</u>	<u>833,848</u>	<u>129,933</u>	<u>162,933</u>	<u>162,933</u>
Total Requirements	<u>5,600,474</u>	<u>2,257,806</u>	<u>2,921,101</u>	<u>2,721,048</u>	<u>2,721,048</u>	<u>2,721,048</u>

Program: Utilities/Water – Capital Construction

Project	WA3080	Partnership Extension Program
---------	--------	-------------------------------

Project Description

The Water Fund has been setting aside monies for the past several years to assist developments with projects that are consistent with the Water Distribution Master Plan. Costs for oversizing water mains and pressure booster stations are funded on a first-come, first-served basis.

This program will be discontinued with the adoption of a new Water Systems Development Charge.

Need for Project

This project facilitates the extension of water system infrastructure into areas ready for development.

Estimated Total Project Cost: \$100,000 per year

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	858,000	Prior Years	658,000
		FY '04	40,000
		FY '05	100,000
		FY '06	60,000
	TOTAL		
	\$858,000	TOTAL	\$858,000

Program: Utilities/Water – Capital Construction

Project	WA4201	Water Distribution Master Plan
---------	--------	--------------------------------

Project Description

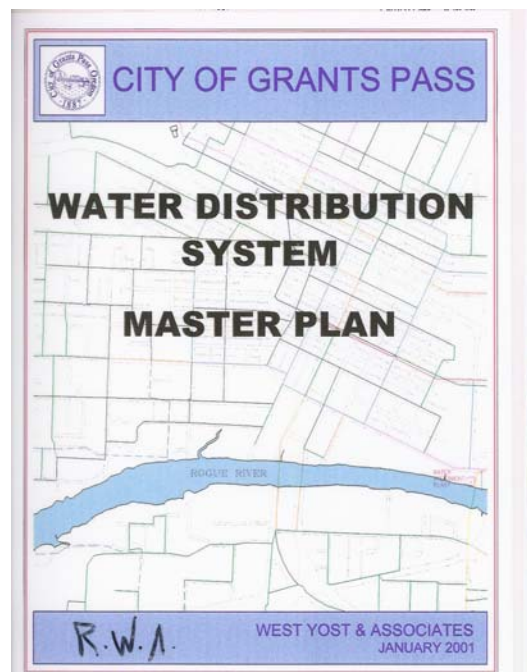
The current Master Plan has served the City for its 20-year life span. Changing economics, performance standards and growth patterns have made update of the Water Distribution Master Plan an imperative. Additional work will be done on an annual basis to update the Plan with projects completed and with minor revisions.

Need for Project

Provides comprehensive guidance for improvement and expansion of the water distribution system.

Estimated Total Project Cost: \$195,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	195,000	Prior Years	157,000
		FY '04	4,000
		FY '05	14,000
		FY '06	20,000
	TOTAL	TOTAL	\$195,000



Program: Utilities/Water – Capital Construction

Project	WA4258	Fire Hydrant New Install
---------	--------	--------------------------

Project Description

This project accumulates funds for the purchase of new fire hydrants when developments are connected to the municipal water system.

Need for Project

Because extended dry storage of new fire hydrants can cause serious deterioration to internal parts and consumes valuable storage space, hydrants provided by developers have been used for other projects. With a number of developments being connected to municipal water in the next two years, it is time to appropriate funds to replace these hydrants.

Estimated Total Project Cost: \$75,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	75,000	Prior Years	28,000
		FY '04	4,000
		FY '05	37,000
		FY '06	0
	TOTAL	\$75,000	TOTAL \$69,000



Program: Utilities/Water – Capital Construction

Project	WA4332	Log Pond Dredging
---------	--------	-------------------

Project Description

This project will purchase a small floating dredge system for removal of Water Treatment Plant solids from the Log Pond. These solids are a combination of suspended matter from the Rogue River and the chemicals used to remove the solids during the treatment process.

Need for Project

The log pond is completely full of solids and immediate action is required to ensure continued compliance with the City's NPDES permit for discharge to Skunk Creek.

Estimated Total Project Cost: \$335,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	293,000	Prior Years	117,000
Water Treatment	42,000	FY '04	84,000
		FY '05	134,000
		FY '06	0
TOTAL	\$335,000	TOTAL	\$335,000



Program: Utilities/Water – Capital Construction

Project	WA4372	RCC Technical Park
---------	--------	--------------------

Project Description

This project will assist in the installation of 16-inch DI water main in Hubbard Lane, a new booster station to be built near Redwood Highway and Hubbard Lane, installation of 20-inch DI water main to a new water reservoir (Reservoir No. 12) to be located on or near the RCC campus, and additional 12-inch DI water main to serve the RCC campus.

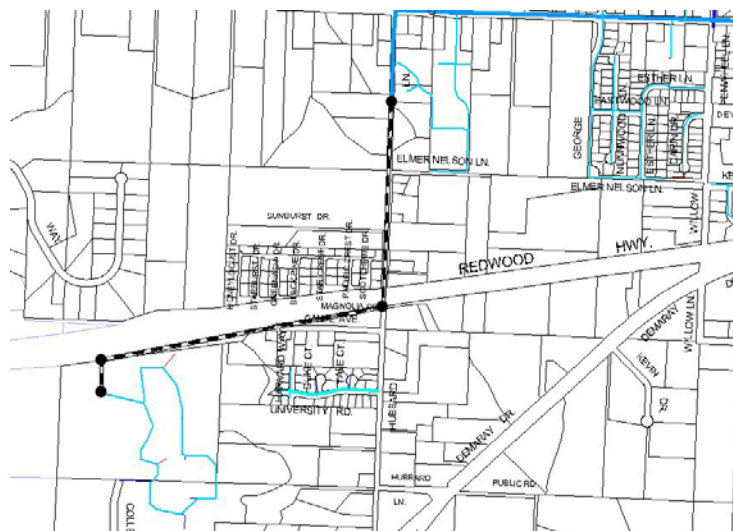
The project is expected to receive grant funding and low-interest loan funds. Utility funds will be used only as necessary.

Need for Project

The water mains, reservoir and booster station will be required to provide domestic and fire flows to the RCC campus and the technical park.

Estimated Total Project Cost: \$2,657,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	60,000	Prior Years	0
General Fund	2,000	FY '04	77,000
OECD Grant	6,000	FY '05	0
Grant (Federal)	47,000	FY '06	50,000
Regional Investment Grant	7,000		
Contribution (RCC)	5,000		
TOTAL	\$127,000	TOTAL	\$127,000



Program: Utilities/Water – Capital Construction

Project	WA4469	Bulk Water Stations
---------	--------	---------------------

Project Description

Install three bulk water stations for water sales.

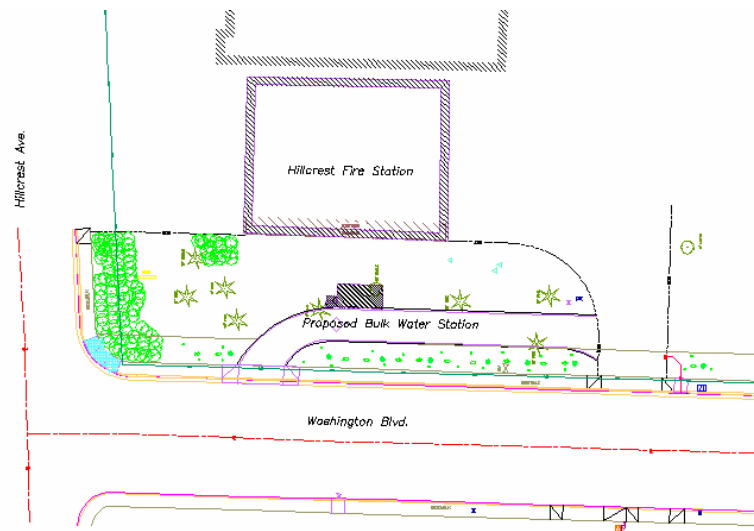
Need for Project

The original, and at one time only, City bulk water station is located at the Hillcrest Fire Station. Trucks loading bulk water interfere with training activities at the fire station. The existing bulk water station relies on the honor system for customer reporting of water purchased.

This project was originally intended to construct three bulk water stations in different sectors of the service area to provide more convenient locations to water customers. A station at the junction of New Hope Road and Williams Highway was completed in FY'04. Coins and debit cards may be used for water purchases. Due to other capital project priorities, installation of additional bulk water stations has been deferred.

Estimated Total Project Cost: \$155,500

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	155,500	Prior Years	35,000
		FY '04	5,500
		FY '05	0
		FY '06	15,000
	TOTAL	\$155,500	TOTAL \$55,500



Program: Utilities/Water – Capital Construction

Project	WA4523	Redwood Avenue Loop
---------	--------	---------------------

Project Description

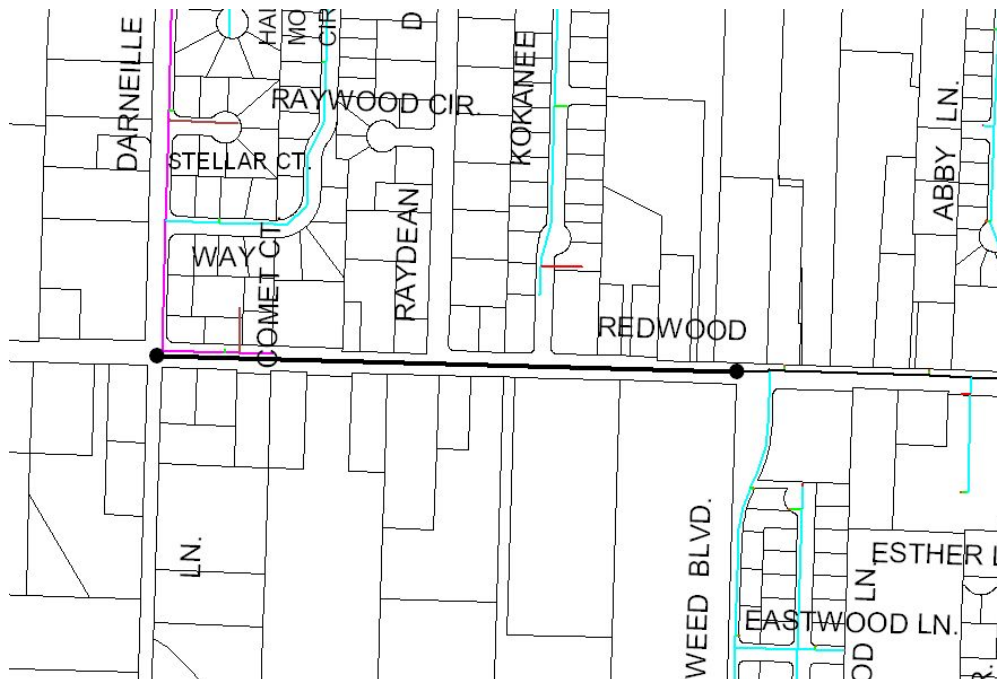
This project installed 1,300 feet of 16-inch ductile iron water main in Redwood Avenue between George Tweed Boulevard and Darneille Lane.

Need for Project

This project enabled the connection of a City-owned community well system, Starview Estates, and a privately owned community well system to the public water supply, adding a significant number of customers to the municipal water system. Fire flows are provided, greatly enhancing the level of protection for these residences

Estimated Total Project Cost: \$305,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	301,000	Prior Years	229,000
		FY '04	42,000
		FY '05	30,000
		FY '06	0
TOTAL	\$301,000	TOTAL	\$301,000



Program: Utilities/Water – Capital Construction

Project	WA4526	Starlite Pump Station Upgrade
---------	--------	-------------------------------

Project Description

This project will upgrade pumps and install backup emergency power generator.

Need for Project

This project will reliably provide fire flows from Starlite Pump Station and provide emergency backup power in accordance with current water standards.

Estimated Total Project Cost: \$210,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	210,000	Prior Years	23,000
		FY '04	4,000
		FY '05	36,000
		FY '06	147,000
	TOTAL	\$210,000	TOTAL \$210,000



Program: Utilities/Water – Capital Construction

Project	WA4527	Water Plant Facility Plan
---------	--------	---------------------------

Project Description

This project provided a 20-year plan for the water treatment plant facility.

Need for Project

A plan ensures the needs of our community are met and are consistent with our Water Distribution Master Plan.

Estimated Total Project Cost: \$111,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	111,000	Prior Years	1,000
		FY '04	99,000
		FY '05	11,000
		FY '06	0
	TOTAL	\$111,000	TOTAL \$111,000



CITY OF GRANTS PASS, OREGON

WATER TREATMENT PLANT
FACILITY PLAN
Final Draft Report

FEBRUARY 2004



Program: Utilities/Water – Capital Construction

Project	WA4637	Water System Vulnerability Assessment
---------	--------	---------------------------------------

Project Description

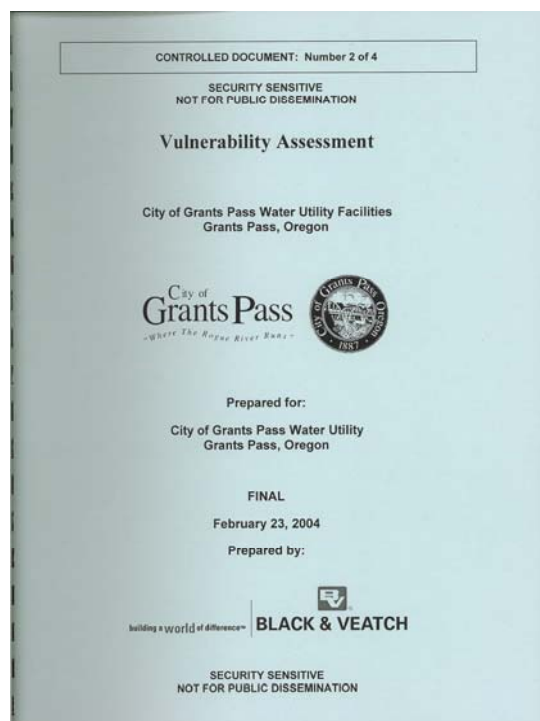
A Vulnerability Assessment characterizes the water system, identifies and prioritizes adverse consequences to avoid, determines malevolent acts that could result in undesirable consequences, assesses likelihood of such malevolent acts, evaluates existing countermeasures, and develops a prioritized plan for upgrades to lower risk. The project scope was increased to include creation of an Emergency Operations Plan.

Need for Project

The Federal Homeland Security Act requires that public water systems the size of Grants Pass prepare a Vulnerability Assessment (VA). The VA study was completed and submitted to the US-EPA in the spring of 2004. The Emergency Operations Plan was submitted in December 2004.

Estimated Total Project Cost: \$95,000 (Federal grants from Homeland Security were restricted to large water systems serving 100,000 or more customers.)

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	95,000	Prior Years	0
Grant	0	FY '04	55000
		FY '05	40,000
		FY '06	0
	TOTAL	TOTAL	\$95,000



Program: Utilities/Water – Capital Construction

Project WA4638 “B” Street / Crescent Drive Upsizing

Project Description

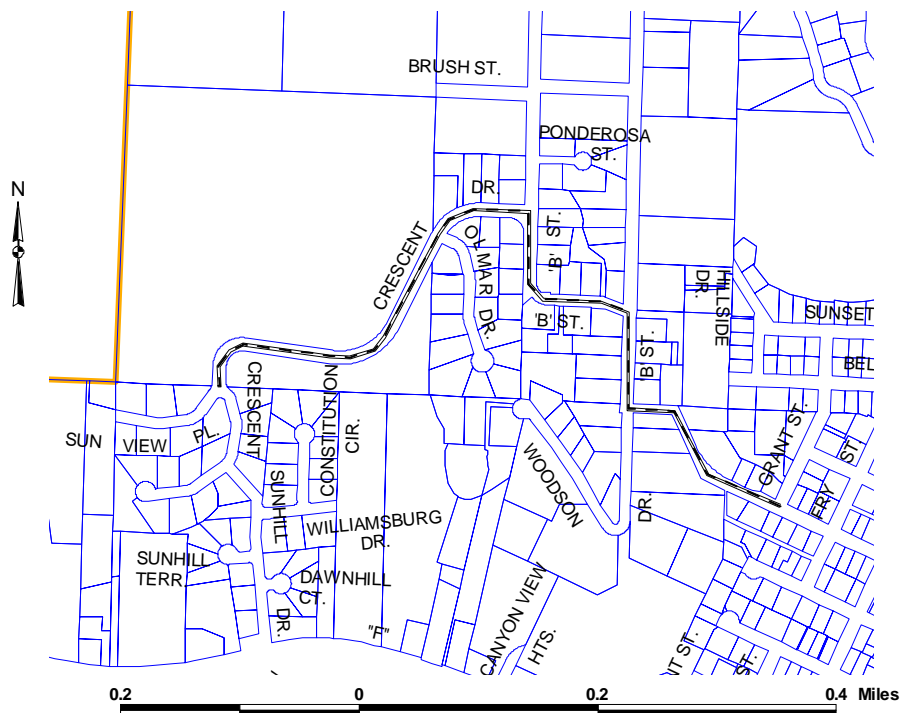
This project replaced major portions of the existing 6-inch waterlines in “B” Street and Crescent Drive with 12-inch waterlines. Replacements in “B” Street occurred between Grant Street and Crescent Drive while replacements in Crescent Drive occurred between “B” Street and Sun View Place.

Need for Project

The upsizing was required to alleviate substandard fire flows in the area. Additionally, this project upgraded distribution capacity to provide fire flows to the area that extends to the urban growth boundary.

Estimated Total Project Cost: \$ 400,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	250,000	Prior Years	5,000
Copeland Sand and Gravel	150,000	FY '04	378,000
		FY '05	17,000
		FY '06	0
	TOTAL	TOTAL	\$400,000



Program: Utilities/Water – Capital Construction

Project	WA4639	Darneille Lane Water Line
---------	--------	---------------------------

Project Description

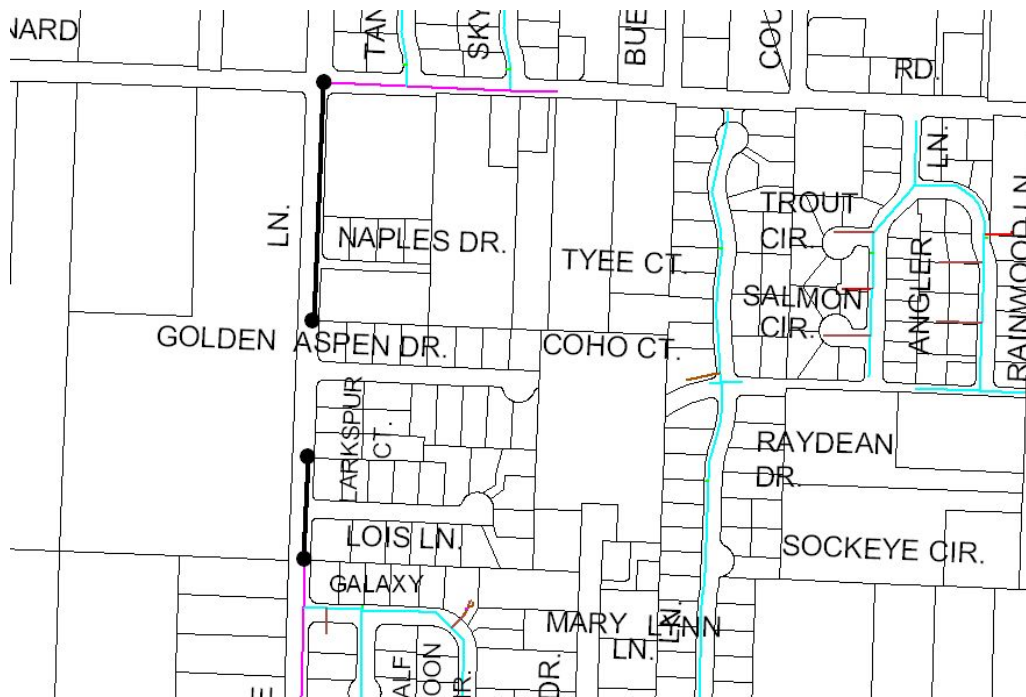
This project installed two lengths of 12-inch ductile iron water main in Darneille Lane: heading north from Galaxy Drive 300 linear feet and south from Leonard Road for 700 linear feet.

Need for Project

The Darneille Lane project connected the Aranaway and Easy Valley Subdivisions to municipal water. Both are privately owned community well systems, without the capacity of providing fire flows for emergency use. Connection to municipal water would greatly enhance the level of protection for these residences and assure that regulatory requirements for lead and copper are met.

Estimated Total Project Cost: \$115,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	115,000	Prior Years	0
		FY '04	15,000
		FY '05	100,000
		FY '06	0
	TOTAL \$115,000	TOTAL	\$115,000



Program: Utilities/Water – Capital Construction

Project	WA4693	Booster Station Pump and Motor Rebuilds
---------	--------	---

Project Description

This project will accumulate funds to allow the planned or emergency replacement of pumps and motors in the City's water pressure booster stations.

Need for Project

As the booster stations age it will become necessary to replace worn-out pumps and motors. Additionally, pumps will be changed out over a period of time to allow standardization of spare parts.

Estimated Total Project Cost: **\$15,000 per year**

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	0	Prior Years	0
Water Treatment Plant Operations	30,000	FY '04	0
		FY '05	15,000
		FY '06	15,000
	TOTAL	TOTAL	\$30,000
	\$30,000		



Program: Utilities/Water – Capital Construction

Project	WA4694	Dowell Road Loop – Redwood Ave to Redwood Hwy
---------	--------	---

Project Description

The Water Utility was responsible for the installation of approximately 600 LF of 12-inch diameter ductile iron water main heading south from Redwood Avenue. Farmer's Building Supply paid for the eight-inch equivalent cost (78%) of the remaining 660 LF of 12-inch ductile iron pipe needed to reach Redwood Highway.

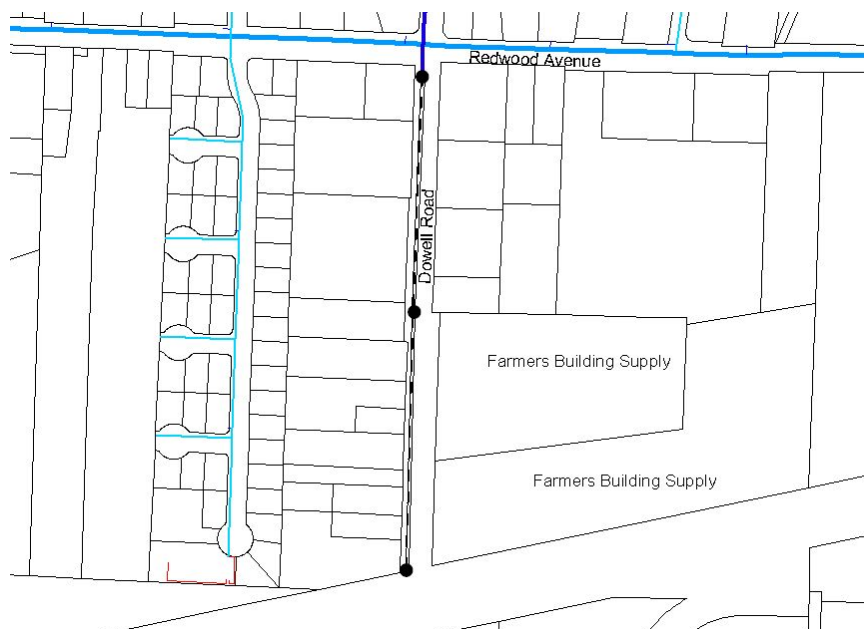
Installation of this pipeline is consistent with the Water Distribution Master Plan.

Need for Project

The new pipeline provided domestic and fire flows to Farmer's Building Supply while extending water service to Redwood Highway.

Estimated Total Project Cost: \$170,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	110,000	Prior Years	0
Farmer's Building Supply	60,000	FY '04	10,000
		FY '05	160,000
		FY '06	0
TOTAL	\$170,000	TOTAL	\$170,000



Program: Utilities/Water – Capital Construction

Project	WA4738	Filter Upgrades
---------	--------	-----------------

Project Description

This project will provide improvements to the existing filter media, underdrains and surface wash system. In addition, the washwater troughs will be repaired.

Need for Project

The filter upgrades will increase plant production capacity and efficiency and ensure continued compliance with water quality regulations.

Estimated Total Project Cost: \$800,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	155,000	Prior Years	0
Water SDC	645,000	FY '04	0
		FY '05	700,000
		FY '06	100,000
	TOTAL	TOTAL	\$800,000
	\$800,000		



Program: Utilities/Water – Capital Construction

Project	WA4739	Foothill Zone 2 Loop – Ament Road
---------	--------	-----------------------------------

Project Description

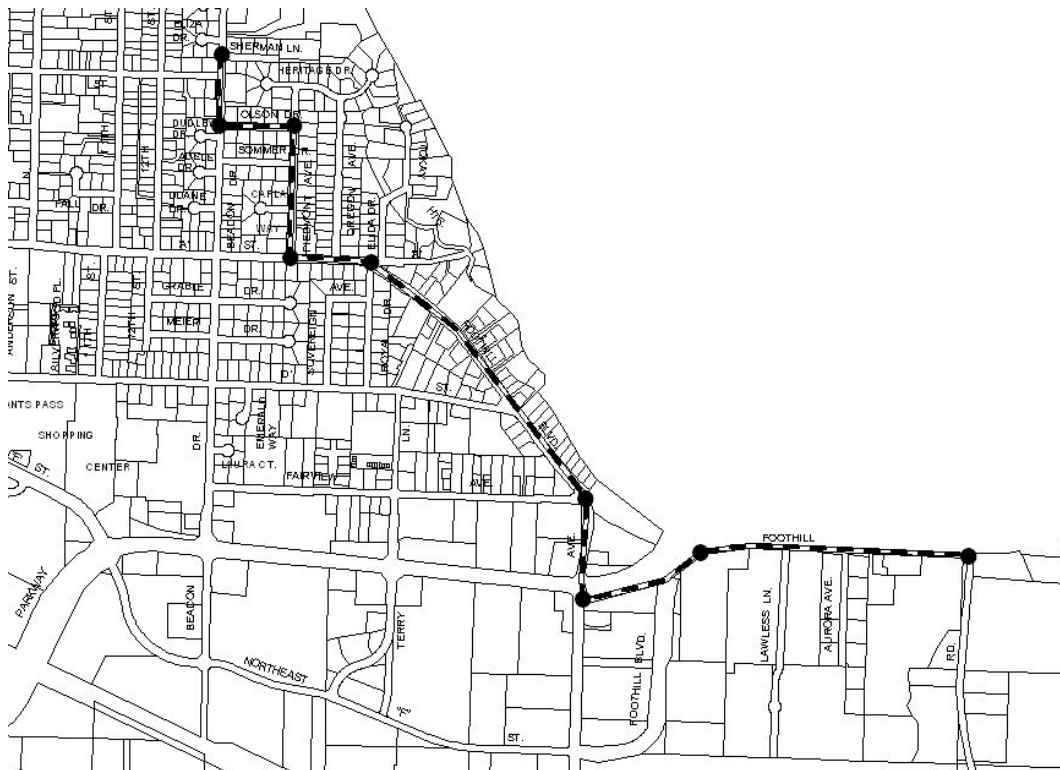
This project will install approximately 8,300 LF of 12-inch DI water main from the Madrone booster station to Ament Road.

Need for Project

A number of water system customers along the west edge of I-5 are being served by Pressure Zone 1, when they would be more appropriately served by Zone 2 pressures. In addition, for industrial development to occur in the eastern portion of the City and Urbanizing Area, Zone 2 water must be made available.

Estimated Total Project Cost: \$1,100,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	1,100,000	Prior Years	
		FY '04	
		FY '05	5,000
		FY '06	582,000
TOTAL	\$1,100,000	TOTAL	\$587,000



Program: Utilities/Water – Capital Construction

Project	WA4740	Intake Structure Modifications
---------	--------	--------------------------------

Project Description

This project will modify the existing intake structure to meet regulatory requirements and to provide added capacity needed for future plant expansion. Work will include predesign, permitting, final design and construction. Before predesign work begins, a consulting firm will be recruited to evaluate the feasibility of constructing a whitewater park in the vicinity of the Water Treatment Plant.

Need for Project

The existing Rogue River intake does not comply with current Endangered Species Act regulations to protect juvenile fish due to high approach velocities and screen deficiencies.

Estimated Total Project Cost: \$1,600,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	100,000	Prior Years	0
Water SDC	820,000	FY '04	0
		FY '05	420,000
		FY '06	500,000
TOTAL	\$920,000	TOTAL	\$920,000



Program: Utilities/Water – Capital Construction

Project	WA4741	Major Drive – 2-inch Water Line Replacement
---------	--------	---

Project Description

This project installed approximately 330 LF of 8-inch ductile iron water line to replace an existing 2-inch cast iron line.

Need for Project

A fire hydrant needed to be installed at the west end of Major Drive. The existing water line was not adequately serving the existing homes on Major Drive. Replacement of the line was necessary for both domestic service and to provide fire flows.

Estimated Total Project Cost: \$40,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	40,000	Prior Years	0
		FY '04	3,000
		FY '05	37,000
		FY '06	0
TOTAL	\$40,000	TOTAL	\$40,000



Program: Utilities/Water – Capital Construction

Project	WA4742	Meadow Wood Reservoir No. 16 – Site Purchase
---------	--------	--

Project Description

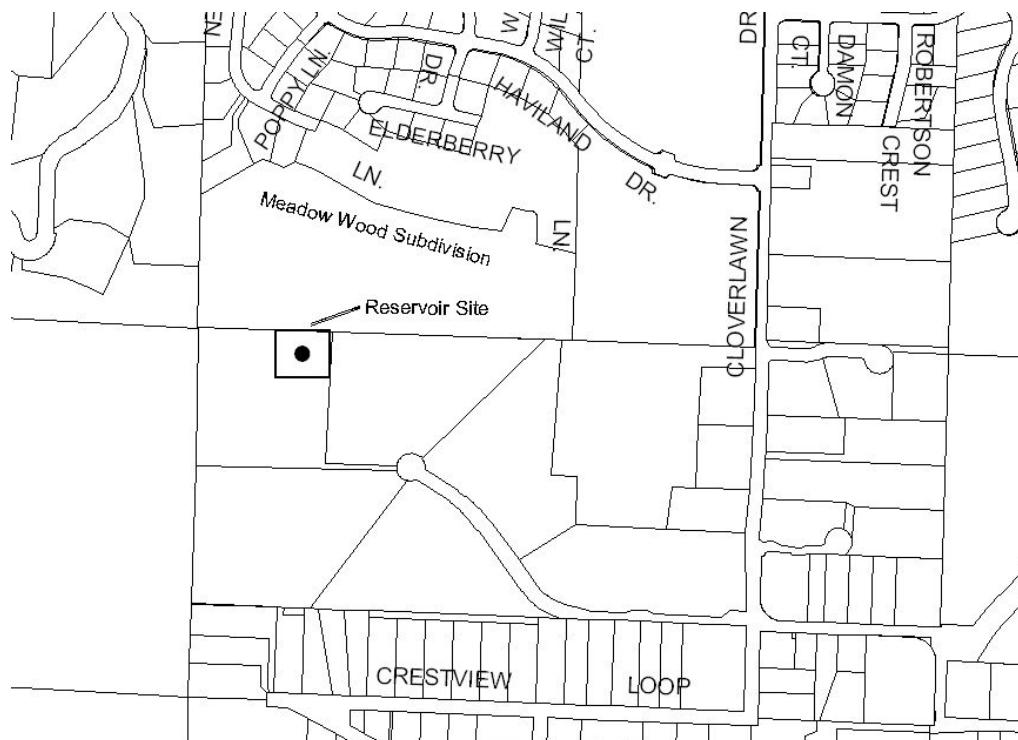
This project would fund the purchase of approximately one-quarter acre of land to serve as a future Zone 2 reservoir site (Reservoir No. 16).

Need for Project

The Water Distribution Master Plan calls for the future construction of a water reservoir to serve Zone 2 water customers in the southeast portion of the City. The site must be located at the proper elevation and within a reasonable distance of the water system. There are very few undeveloped properties available that can meet the necessary criteria. Purchase in the near future will be necessary to avoid the need to condemn an already developed parcel at a greatly increased price.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	0
		FY '04	0
		FY '05	
		FY '06	50,000
TOTAL \$50,000		TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA4743	Williams Crossing Pump Station Installation
---------	--------	---

Project Description

Five lots at the east edge of the Williams Crossing Subdivision must be served by Pressure Zone 3. Interim service as homes are being built on these lots has been provided by a well installed by the developer. Prior to connection of the fourth and fifth homes (which would require formation of a state-regulated community water system), an existing, unused “packaged” pump station will be installed. The driveway to the site must be modified to allow safe access. This work is underway and anticipated to be completed by June 2005.

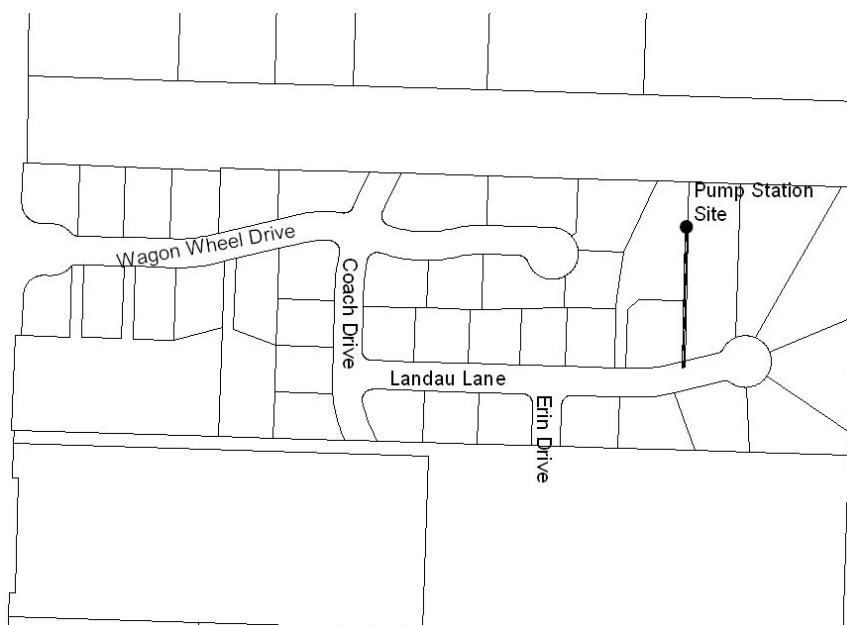
Fire service will be provided by a hydrant located at the top of Pressure Zone 2, just below the five lots.

Need for Project

Prior experience with community well systems has shown them to be labor-intensive and expensive to operate. Use of the existing pump station is consistent with the Water Distribution Master Plan.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget	
Year			
Water Capital Projects	50,000	Prior Years	0
		FY '04	0
		FY '05	50,000
		FY '06	0
	TOTAL	\$50,000	TOTAL \$50,000



Program: Utilities/Water – Capital Construction

Project	WA4761	Parkway Village Water Line
---------	--------	----------------------------

Project Description

This project installed approximately 730 LF of 12-inch diameter ductile iron water main to serve the Parkway Village development. Installation of this line provides fire flows for the development and will facilitate the future replacement of the cast iron water main running underneath the old Four Ply mill building located at the south end of Beacon Drive. The developer is responsible for the 8-inch equivalent cost for 310 LF of the new water main, with the City paying for oversizing. The remaining 420 LF would be the responsibility of the municipal water system.

Need for Project

It was in the best interests of the developer and the City for the old existing fire vault to be replaced and the development connected to a new ductile iron water main.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	
		FY '04	
		FY '05	50,000
		FY '06	
	TOTAL	\$50,000	TOTAL \$50,000



Program: Utilities/Water – Capital Construction

Project	WA4794	Water Rates & SDC Studies
---------	--------	---------------------------

Project Description

This project funds the creation of a rate model for the City's municipal water system and an analysis of user rates and SDCs needed to meet projected O&M expenses and CIP investments for the next 20 years. Changes in rates and SDC amounts will be proposed to Council for adoption in early FY'06.

Need for Project

The existing water user rates and SDCs will not provide adequate revenues to meet projected expenses over the 20-year planning period.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	
		FY '04	
		FY '05	44,000
		FY '06	6,000
TOTAL	\$50,000	TOTAL	\$50,000

City of Grants Pass



Water & Sewer Rates & SDC's Study

Draft Report
April 1, 2005

Program: Utilities/Water – Capital Construction

Project	WA4802	Riverside Inn Waterline Relocation
---------	--------	------------------------------------

Project Description

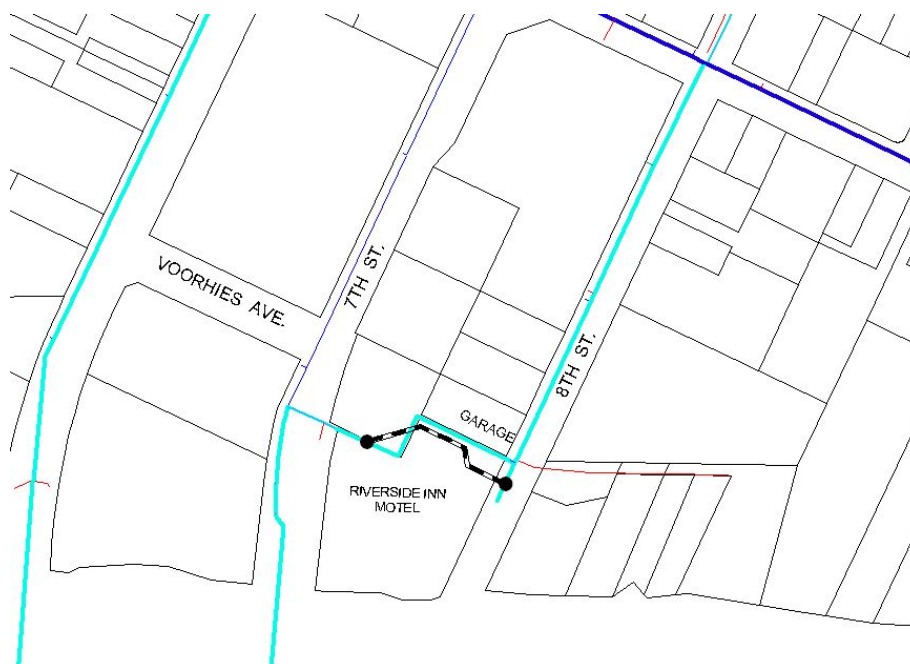
This project will relocate an existing waterline loop from 8th Street to 7th Street. The line runs through the parking lot of the Riverside Inn Motel. The project will consist of installation of approximately 245 LF of 10-inch DI waterline, two fire hydrants and miscellaneous appurtenances.

Need for Project

The existing waterline currently originates on 8th Street and runs under a garage that was built over the main a number of years ago. Recently, a development plan for the expansion of the motel was submitted that would encroach too closely upon the waterline. One of the conditions for the motel expansion was to install two fire hydrants. The developer is to reimburse the City for their installation cost.

Estimated Total Project Cost: \$33,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	33,000	Prior Years	
		FY '04	
		FY '05	33,000
		FY '06	0
	TOTAL	\$33,000	TOTAL
			\$33,000



Program: Utilities/Water – Capital Construction

Project	WA4808	4th Street. Waterline (“C” Street – “H” Street)
---------	--------	---

Project Description

This project will consist of installing 1,570 feet of 12-inch waterline in 4th Street between “C” Street and “H” Street. In addition, this project will also install 370 feet of 12-inch water line in “H” Street or continue south on 4th Street to “J” Street. Lastly the project will abandon the 12-inch waterline under the Caveman Plaza.

Need for Project

The 12-inch line that runs under the Caveman Plaza is failure prone resulting in both recent property damage and possible future occurrences.

Estimated Total Project Cost: \$350,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	350,000	Prior Years	0
		FY '04	0
		FY '05	5,000
		FY '06	345,000
	TOTAL	\$350,000	TOTAL \$350,000



Program: Utilities/Water – Capital Construction

Project	WA4840	Beacon Zone 3 Waterline
---------	--------	-------------------------

Project Description

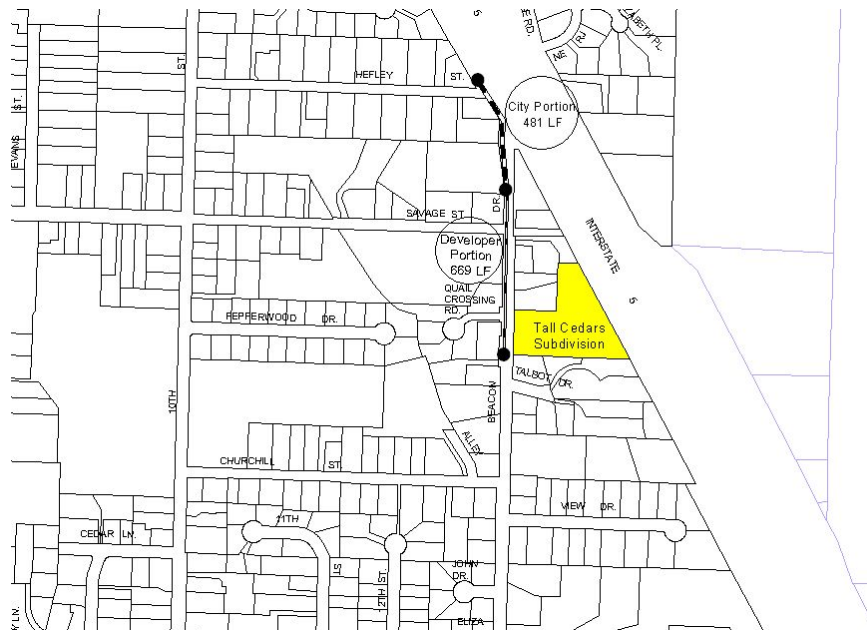
The City portion of this project will install a pressure reducing valve assembly and 481 LF of 12-inch DI water main from the Hefley booster station south on Beacon Drive. The developer will be required to install 669 LF of 12-inch DI main to reach the south border of the Tall Cedars Subdivision development.

Need for Project

Most of the water system customers on Talbot Drive and several customers on the upper (east) end of View Drive must be served by individual pressure booster pumps. This waterline extension would allow new development (Tall Cedars) without requiring booster pumps for each house, and facilitate improvement of the service provided to Talbot Drive and View Drive in the near future.

Estimated Total Project Cost: \$75,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	75,000	Prior Years	
		FY '04	
		FY '05	0
		FY '06	75,000
TOTAL	\$75,000	TOTAL	\$75,000



Program: Utilities/Water – Capital Construction

Project	WA4841	Small Main Replacement
---------	--------	------------------------

Project Description

This is an ongoing program to replace old, undersized cast iron water mains. As funds are available, this project will continue on a yearly basis.

Need for Project

The mains to be replaced do not meet adopted water service standards. Fire flow capacity is not provided and there is a relatively high rate of leak repairs. The pipes are typically clogged with rust or hardness deposits producing low delivery pressures during use.

Estimated Total Project Cost: **\$50,000 per year**

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	0
		FY '04	0
		FY '05	0
		FY '06	50,000
TOTAL	\$50,000	TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA4842	Solids Handling Evaluation
---------	--------	----------------------------

Project Description

This project will provide an evaluation of the solids handling processes at the Water Treatment Plant. This evaluation will result in an implementation plan for a recommended solids handling alternative (the solids are a combination of suspended matter from the Rogue River and the chemicals used to remove the solids during the treatment process).

Need for Project

The City now has the capability of dredging the “log pond” for removal of accumulated solids. The solids must then be dewatered prior to hauling them away. Currently, the City relies on fabric “Geo-Tubes” for this purpose. The tubes are expensive and are single-use. Considerable time is required to properly fill the tubes, wait for the dewatering process to proceed, and to haul away the thickened solids.

In an effort to reduce operating costs, alternative methods for solids handling, both in the Treatment Plant and at the log pond must be explored.

Estimated Total Project Cost: \$40,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	40,000	Prior Years	0
		FY '04	0
		FY '05	0
		FY '06	40,000
TOTAL	\$40,000	TOTAL	\$40,000



Program: Utilities/Water – Capital Construction

Project	WA0000	Water System Development Charges - Fund 752
---------	--------	---

Project Description

This project accounts for money collected during development in order to fund Water projects.

Need for Project

Since the establishment of the Water System Development Charge (SDC), this fund has been used as the depository of these revenues, pending budgetary authorization for use of the funds.

Estimated Total Project Cost: These monies were allocated to specific projects during the Budget process.

Funding Sources		Project Expenses by Budget Year	
Water System Development Charges	1,579,000	Prior Years	90,000
Investment Interest	14,000	FY '04	38,000
		FY '05	1,045,000
		FY '06	420,000
	TOTAL \$1,593,000	TOTAL	\$1,593,000

Program: Utilities/Water – Capital Construction

Project	WA0000	Water Advanced Financing - Fund 755
---------	--------	-------------------------------------

Project Description

This project is used by our accounting function to account for all funds reimbursed to the water utility from Advance Financed District (AFD) projects for which the utility was the project developer and revenue source.

Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

Estimated Total Project Cost: This project has no cost. It is an accounting entity for the purpose of accumulating resources.

Funding Sources FY'04/FY'05/FY'06		Project Expenses by Budget Year	
Balance Forward	200	FY '04	90,000
Advanced Financing/Interest	293,000	FY '05	90,000
Investment Interest	800	FY '06	110,000
TOTAL	\$294,000	TOTAL	\$290,000

Program: Utilities/Water – Capital Construction

Project	WA0000	Miscellaneous Water Projects - Fund 758
---------	--------	---

Project Description

This project accounts for small miscellaneous projects, closed projects and projects that are in the process of starting up. System Development Charges and reimbursements for Advance Financing Districts are also reported here and then transferred to the appropriate project. Fund balances and miscellaneous expenditures that are not attributable to a specific project are accounted for in this project. Resources from a large variety of sources are distributed from this project to other active projects.

Need for Project

This project allows for tracking of fund balances and miscellaneous expenditures.

Estimated Total Project Cost: This project has no cost. It is an accounting entity for the purpose of accumulating resources.

Funding Sources		FY'03 through FY'06		Project Expenses by Budget Year	
Balance forward		237,000		FY '03	712,000
Investment Interest		20,000		FY '04	964,000
Other		14,000		FY '05	577,000
General Program-Water		3,245,000		FY '06	1,568,000
Advance Financing		452,000			0
	TOTAL	\$3,968,000		TOTAL	\$3,821,000

Program: Utilities/Water – Capital Construction

Project	WA0000	Miscellaneous Water Projects - Fund 759 LID
---------	--------	---

Project Description

This project accounts for the distribution of funds to various Local Improvement District projects. Funds are allocated as the districts are formed.

Need for Project

The need for each individual project is determined by property owner petitions for improvements to be made through a local improvement district.

Estimated Total Project Cost: Costs vary depending on petitions for LIDs from citizens.

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	12,000	Prior Years	12,000
Special Assessments (LID)	400,000	FY '04	0
		FY '05	0
		FY '06	400,000
TOTAL	412,000	TOTAL	\$412,000

WHERE THE ROGUE RIVER RUNS



© City of Grants Pass